

English

Language Arts

PLT

Correlation of  
Wisconsin's Model Academic Standards to  
Project Learning Tree's PreK - 8  
Environmental Education Activity Guide

## Wisconsin's Model Academic Standards

Our state has established rigorous goals for teaching and learning in 18 subject areas. As defined in the introduction to each document:

*Academic standards specify what students should know and be able to do, what they might be asked to do to give evidence of standards, and how well they must perform. They include content, performance, and proficiency standards.*

- Content standards refer to what students should know and be able to do.
- Performance standards tell how students will show that they are meeting a standard.
- Proficiency standards indicate how well students must perform.

### Paraphrased Standards

In this document, you will find that the performance standards have been reworded to fit the tables. We hope these shortened statements will give some meaning to the numbers and letters of the standards as you refer to the tables. While every attempt has been made to preserve the intent of the standards, you should always consult the original wording for clarification, reference, and further correlations.

### About These Correlations!

Project Learning Tree (PLT) is a set of environmental education activities that focuses on forestry education. The hands-on interdisciplinary nature of the activities makes them ideal for meeting the needs of educators and students. We hope these correlations help to facilitate the infusion of PLT activities into Wisconsin's classrooms and other educational settings.

### Disclaimer ☺

Correlating written activities with the standards is challenging and subjective. Since you may have a different perspective on the standards and the activities, consider these charts as starting points for selecting and using PLT activities.

### Direct Relationship

Only direct relationships have been identified. For example, if the use of mathematics is a primary focus of the activity and a performance standard is directly addressed, the standard is marked with a “\*”. If the use of mathematics is secondary or the performance standard is simply reinforced, the standard is marked with a “•”. Incidental references to

standards have not been correlated. For example, every PLT activity containing references to numbers could be correlated to the A.4 or A. 8 content standards in Mathematics.

### Main Activity Only

To limit the scope of this project, correlations have **not** been made to variations, extensions, enrichments, or assessments. In some activities, these enhancements more completely address some of the academic standards.

### Correlations Make No Assumptions

These correlations are based on the way the activity is written. They do not take into account the myriad of ways the activity could be modified to address a standard more directly or completely. In addition, if the content of the standard is referred to in the activity's background, but the students do not act on the information in the written activity, it is not included in the correlations.

### Links to PLT Activity Descriptions

In the electronic version of this document, click on the name of the PLT activity to jump to a description of the activity. Each description includes the following: objectives, grade levels, subjects, and a complete listing of correlations to English Language Arts, Environmental Education, Math, Science, and Social Studies. *Note:* PLT's listing of subjects is not based on Wisconsin's Model Academic Standards. Therefore, a subject might be listed by PLT and not address any standards. In addition, standards might be addressed in an activity without the subject being listed by PLT.

### Project Sponsors

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# English Language Arts

## A. Reading and Literature

### Content Standard

Students in Wisconsin will read and respond to a wide range of writing to build an understanding of written materials, of themselves, and of others.

- \* Activity directly addresses the achievement of the standard.
- Activity reinforces or supports the achievement of the standard.

### Performance Standards

		Grade 4				Grade 8			
		A.4.1 Use effective reading strategies to achieve their purposes	A.4.2 Read, interpret, and critically analyze literature	A.4.3 Read and discuss literary and nonliterary texts	A.4.4 Read to acquire information	A.8.1 Use effective reading strategies to achieve their purposes	A.8.2 Read, interpret, and critically analyze literature	A.8.3 Read and discuss literary and nonliterary texts	A.8.4 Read to acquire information
<b>Project Learning Tree Activities</b>	<b>Grade</b>								
Air We Breathe – Parts B & C	6 – 8							*	
Energy Sleuths	6 – 8								•
Forest Consequences	6 – 8							*	
In the Good Old Days – Part B	6 – 8							*	
Loving It Too Much	6 – 8							*	
The Native Way	4 – 8			*				*	
Nothing Succeeds Like Succession	3 – 6		•						
Paper Civilizations	4 – 8				•				•
People of the Forest	5 – 8								•
Power of Print	6 – 8							*	
Tale of the Sun	K – 6			*				*	
Trees for Many Reasons – Part B	6 – 8							*	



# English Language Arts

## B. Writing

### Content Standard

Students in Wisconsin will write clearly and effectively to share information and knowledge, to influence and persuade, to create and entertain.

- \* Activity directly addresses the achievement of the standard.
- Activity reinforces or supports the achievement of the standard.

### Performance Standards

	Grade 4			Grade 8		
	B.4.1 Create or produce writing to communicate	B.4.2 Plan, revise, edit, and publish clear and effective writing	B.4.3 Understand and use standard American English	B.8.1 Create or produce writing to communicate	B.8.2 Plan, revise, edit, and publish clear and effective writing	B.8.3 Understand and use standard American English
Habitat Pen Pals	*			•		
I'd Like to Visit a Place Where . . . – Part A	*					
In the Good Old Days – Part B				*		
People of the Forest				*		
Poet-Tree	*	•	•	*	•	
Power of Print				*		
Publicize It!				*	*	
Reduce, Reuse, Recycle – Projects 1 & 2	*	•				
Water Wonders – Part A	•					

Project Learning Tree Activities	Grade
Habitat Pen Pals	3 – 6
I'd Like to Visit a Place Where . . . – Part A	4 – 8
In the Good Old Days – Part B	6 – 8
People of the Forest	5 – 8
Poet-Tree	3 – 8
Power of Print	6 – 8
Publicize It!	5 – 8
Reduce, Reuse, Recycle – Projects 1 & 2	4 – 8
Water Wonders – Part A	4 – 8

# English Language Arts

## C. Oral Language

### Content Standard

Students in Wisconsin will listen to understand and will speak clearly and effectively for diverse purposes.

- \* Activity directly addresses the achievement of the standard.
- Activity reinforces or supports the achievement of the standard.

### Performance Standards

		Grade 4			Grade 8		
		C.4.1 Orally communicate information, opinions, and ideas	C.4.2 Listen to and comprehend oral communications	C.4.3 Participate effectively in discussion	C.8.1 Orally communicate information, opinions, and ideas	C.8.2 Listen to and comprehend oral communications	C.8.3 Participate effectively in discussion
Can It Be Real? – Part A	4 – 8	*					
Earth Manners	PreK – 4	*					
Energy Sleuths	6 – 8					•	
Forest Consequences	6 – 8				*		*
The Forest of S.T. Shrew	1 – 6	*					
A Look at Lifestyles	5 – 8					•	
The Native Way	4 – 8		*				*
Our Changing World	5 – 8				•		
People of the Forest	5 – 8					*	
Planet of Plenty	4 – 6	•	•		*	*	
Poet-Tree	3 – 8	•			•		
Pollution Search	2 – 6	*		*		*	•

### Project Learning Tree Activities

Project Learning Tree Activities	Grade
Can It Be Real? – Part A	4 – 8
Earth Manners	PreK – 4
Energy Sleuths	6 – 8
Forest Consequences	6 – 8
The Forest of S.T. Shrew	1 – 6
A Look at Lifestyles	5 – 8
The Native Way	4 – 8
Our Changing World	5 – 8
People of the Forest	5 – 8
Planet of Plenty	4 – 6
Poet-Tree	3 – 8
Pollution Search	2 – 6



# English Language Arts

## D. Language

### Content Standard

Students in Wisconsin will apply their knowledge of the nature, grammar, and variations of American English.

- \* Activity directly addresses the achievement of the standard.
- Activity reinforces or supports the achievement of the standard.

### Performance Standards

		Grade 4				Grade 8					
D.4.1 Develop their vocabulary and ability to use language	D.4.2 Recognize and interpret uses and adaptations of language					D.8.1 Develop their vocabulary and ability to use language	D.8.2 Recognize and interpret uses and adaptations of language				
<b>Project Learning Tree Activities</b>	<b>Grade</b>										
Get in Touch with Trees!	PreK – 6	•									
Power of Print	6 – 8					*					



# English Language Arts

## F. Research and Inquiry

### Content Standard

Students in Wisconsin will locate, use, and communicate information from a variety of print and nonprint materials.

- \* Activity directly addresses the achievement of the standard.
- Activity reinforces or supports the achievement of the standard.

### Performance Standards

		Grade 4				Grade 8			
Project Learning Tree Activities	Grade	F.4.1				F.8.1			
	Can It Be Real? – Part B	*				•			
	Democracy in Action					*			
	Did You Notice? – Part B	*				•			
	Energy Sleuths					•			
	In the Good Old Days	*				*			
	Life on the Edge	•							
	A Look at Lifestyles					•			
	People of the Forest					*			
	Power of Print					*			
	There Ought to Be a Law – Part B					*			
	Tree Lifecycle	•							
Tropical Treehouse – Part A	•				•				

# English Language Arts

## F. Research and Inquiry

### Content Standard

Students in Wisconsin will locate, use, and communicate information from a variety of print and nonprint materials.

- \* Activity directly addresses the achievement of the standard.
- Activity reinforces or supports the achievement of the standard.

### Performance Standards

		Grade 4				Grade 8			
Project Learning Tree Activities	Grade	F.4.1				F.8.1			
	Conduct research and communicate their findings								
Watch on Wetlands – Part B	7 – 8					*			
Web of Life	4 – 8	•				•			

## **Air We Breathe**

Students will ① identify various types of indoor air pollutants and their sources, ② understand how various pollutants can be harmful to people's health, ③ trace how radon can get into buildings and eventually into our bodies, and ④ take action to improve indoor air quality; Grades 6 – 8; Science, Language Arts.

ELA: A.8.4

EE: A.8.2, A.8.5, B.8.18, B.8.21, D.8.5, D.8.6

S: H.8.3

## **Can It Be Real?**

Students will ① study the characteristics of unusual plants and animals and ② describe how plant and animal species are adapted to a particular set of environmental conditions; Grades 4 – 8; Science, Language Arts.

ELA: C.4.2, F.4.1, F.8.1

EE: B.4.6

S: F.8.2, F.8.7

## **Democracy in Action**

Students will ① compare two citizen groups, special-interest groups, or government agencies involved in the same issues, ② create visual representations of the two groups, and ③ explain ways students can become involved in the civic action process through participation in such groups; Grades 5 – 8; Social Studies, Visual Arts.

ELA: F.8.1

EE: D.8.8

SS: C.8.6, C.8.8

## **Did You Notice?**

Students will ① identify changes in their local environment over the course of time and ② create a timeline to illustrate patterns of change over time; Part A: Grades K – 4, Part B: Grades 3 – 8; Social Studies, Language Arts, Visual Arts.

ELA: F.4.1, F.8.1

EE: B.8.24

SS: A.4.8, A.8.4, B.4.1, B.4.2, B.4.8

## **Earth Manners**

Students will express appropriate ways to treat living things and to act in forests, parks, and other natural areas; Grades PreK – 4; Science, Social Studies, Language Arts, Visual Arts.

ELA: C.4.2

EE: D.4.3

SS: C.4.1

## **Energy Sleuths**

Students will ① identify different energy sources, ② discuss the pros and cons of various energy sources from economic, social, and environmental perspectives, and ③ describe some of the ways people use energy in their daily lives; Grades 6 – 8; Science, Social Studies.

ELA: A.8.4, C.8.2, F.8.1

EE: B.8.15, B.8.16, B.8.17, D.8.4

S: E.8.6, F.8.9, F.8.10

SS: A.8.10, B.8.8, C.8.7, D.8.7

## **Forest Consequences**

Students will ① evaluate the options for managing or using a piece of forested land and ② make a land-use decision and explore the consequences of that decision; Grades 6 – 8; Science, Social Studies, Language Arts.

ELA: A.8.4, C.8.1, C.8.3

EE: D.8.1, D.8.2, D.8.7

S: B.8.6, F.8.10

SS: C.8.7

## **The Forest of S. T. Shrew**

Students will ① identify microhabitats in the forest by drawing pictures or writing a story describing a microhabitat and ② describe some of the plants and animals that characterize several microhabitats within the forest; Grades 1 – 6; Science, Language Arts, Visual Arts.

ELA: C.4.2

EE: B.4.6, B.8.8

S: F.4.1, F.4.4, F.8.2

## Get in Touch with Trees

Students will ① become aware of how the bark of different trees varies in texture and ② describe a variety of textures found in leaves and other tree parts; Grades PreK – 6; Science, Language Arts, Visual Arts.

ELA: D.4.1

## Habitat Pen Pals

Students will ① explain the relationship between climate conditions and habitat, ② identify relationships between organisms within habitats, and ③ distinguish between kinds of animals that can and can't live in a particular habitat; Grades 3 – 6; Science, Language Arts.

ELA: B.4.1, B.8.1

EE: B.4.6, B.8.8

S: E.8.3, F.4.1, F.4.4

## I'd Like to Visit a Place Where . . .

Students will ① describe the characteristics of their favorite recreational area, ② explain the importance of recreational areas to people and other living things, and ③ conduct a project at a local park to improve a habitat or enhance its suitability to people; Grades 4 – 8; Science, Social Studies, Language Arts, Physical Education, Visual Arts.

ELA: B.4.1

EE: B.4.5, B.4.10, D.4.6, D.8.5, D.8.6

SS: A.4.4, A.8.8, E.4.5, E.8.4

## In the Good Old Days

Students will ① describe important events in the history of conservation, ② explain how environmental problems and perceptions of environmental quality have changed through history, and ③ express the point of view of a famous figure in the history of conservation; Part A: Grades 4 – 8, Part B: Grades 6 – 8; Science, Social Studies, Visual Arts, Language Arts, Performing Arts.

ELA: A.8.3, B.8.1, F.4.1, F.8.1

S: B.4.2, B.4.3, B.8.1

SS: B.4.3, B.4.7, C.4.5, C.8.8, E.8.4

## Life on the Edge

Students will ① identify environmental factors that can cause species to become endangered, ② research the current status of several endangered plants or animals, and ③ present persuasive arguments for the protection of a particular plant or animal species; Grades 4 – 8; Science, Social Studies.

ELA: E.4.3, E.8.3, E.8.4, F.4.1

EE: B.4.6, B.8.2, B.8.5, B.8.8

S: B.4.1, F.4.1, F.4.4, F.8.2, F.8.9

SS: A.4.8, A.8.11, E.4.10, E.8.8

## A Look at Aluminum

Students will ① understand how the unique properties of aluminum make it invaluable for many products and technologies on which we depend, ② describe the steps involved in extracting bauxite and processing aluminum from bauxite, and ③ explain the environmental impacts of producing new aluminum and recycling aluminum products; Grades 5 – 8; Science, Social Studies.

ELA: E.8.4

EE: B.8.17, B.8.20, D.8.5, D.8.6

SS: D.8.2, D.8.11, E.8.8

## A Look at Lifestyles

Students will ① analyze a Native American legend and traditional Native American attitudes toward using the land, ② identify some of the values of the early American pioneers, and ③ create a chart comparing our own environmental beliefs and behaviors with those of traditional Native Americans and early pioneers; Grades 5 – 8; Science, Social Studies, Language Arts, Performing Arts.

ELA: C.8.2, F.8.1

EE: B.8.12, B.8.15, B.8.17, D.8.7

SS: B.8.4, E.8.3

## Loving It Too Much

Students will ① explain how increased numbers of park visitors and activities outside park boundaries affect ecosystems within national and local parks and ② offer possible solutions to problems facing national and local parks; Grades 6 – 8; Science, Language Arts, Social Studies.

ELA: A.8.4

EE: B.8.5, B.8.10, D.8.1, D.8.2

M: E.8.4

S: F.8.9, F.8.10

SS: D.8.5, D.8.11

## The Native Way

Students will describe traditional Native American lifestyles and Native Americans' use of natural resources and the land; Grades 4 – 8; Science, Social Studies, Language Arts.

ELA: A.4.3, A.8.3, C.4.3, C.8.3

EE: B.8.9, B.8.12

S: E.8.6

SS: B.4.1, B.4.7, B.8.1, B.8.4, E.4.8, E.4.11, E.8.9, E.8.10

## Nothing Succeeds Like Succession

Students will ① explore basic relationships between species diversity and ecosystem stability, ② identify successional stages in ecosystems based on plant and animal species, and ③ draw conclusions about the process of succession based on study test plots in different stages of succession; Part A: Grades 3 – 6, Parts B and C: Grades 4 – 8; Science, Math, Language Arts, Visual Arts.

ELA: A.4.2

EE: B.4.4, B.4.6, B.8.2, B.8.5, B.8.8, B.8.10

S: A.4.5, C.4.2, C.4.5, E.4.6, F.4.2, F.4.4, F.8.8, F.8.9

## Our Changing World

Students will ① identify some global environmental patterns, ② discuss issues related to global change, and ③ describe actions that people can take to improve the environment and quality of life; Grades 5 – 8; Science, Social Studies, Language Arts.

ELA: C.8.1

EE: B.8.10, B.8.17, D.8.5

S: E.4.6, F.8.9, F.8.10

## Paper Civilizations

Students will ① chronicle the major events in the history of papermaking and ② create a pictorial representation of the history of paper; Grades 4 – 8; Social Studies, Language Arts, Visual Arts.

ELA: A.4.4, A.8.4

S: E.8.6, H.4.1

SS: B.4.2, B.4.8, B.8.8, B.8.12

## People of the Forest

Students will ① describe the lifestyles of several forest-dwelling peoples of the present or past and ways that they depend upon the forest, ② describe some of the effects forest people have on their environment, and ③ write a story focusing on a day in the life of a member of one group of forest people; Grades 5 – 8; Social Studies, Language Arts.

ELA: A.8.4, B.8.1, C.8.2, F.8.1

EE: B.8.5, B.8.9, B.8.12

SS: A.8.8, B.8.10, E.8.3

## Planet of Plenty

Students will ① investigate the diversity of plants and animals on a small plot of land and ② explain the value of a diversity of life forms in a particular ecosystem; Grades 4 – 6; Science, Language Arts, Visual Arts.

ELA: C.4.1, C.4.2, C.8.1, C.8.2

EE: A.4.2, A.4.3, A.4.4, B.8.3, B.8.5

S: C.4.2, C.4.4, C.4.5, C.4.6, C.4.7, C.4.8, C.8.2, C.8.3, C.8.4, C.8.5, C.8.6, C.8.7, C.8.11, F.4.4, F.8.8

## Poet-Tree

Students will ① express their feelings and attitudes about the environment using various forms of poetry and ② analyze their own and other people's poetry to discover its full meaning; Grades 3 – 8; Language Arts, Science, Social Studies.

ELA: B.4.1, B.4.2, B.4.3, B.8.1, B.8.2, C.4.1, C.8.1

## Pollution Search

Students will ① identify forms of pollution and describe the effects that various pollutants can have on people, wildlife, and plants and ② describe relationships between various forms of pollution and human actions; Grades 2 – 6; Science, Social Studies, Math.

ELA: C.4.1, C.4.3, C.8.2, C.8.3

EE: B.4.12, B.8.18, B.8.21, E.4.1

S: F.4.4, F.8.9

SS: D.4.7, D.8.11

## Power of Print

Students will ① compare different sections of a daily newspaper, ② analyze some of the ways that ideas and opinions are expressed through word choice, ③ research opposing sides of a local environmental issue, and ④ write articles on environmental issues using both objective and subjective points of view; Grades 6 – 8; Social Studies, Language Arts, Visual Arts, Performing Arts.

ELA: A.8.4, B.8.1, C.8.2, D.8.1, F.8.1

EE: A.8.1, A.8.2, C.8.1, C.8.3, C.8.4

SS: C.8.7, E.8.8

## Publicize It!

Students will ① plan and carry out a community action project and ② use the media to create public awareness about the event; Grades 5 – 8; Science, Social Studies; Language Arts, Visual Arts, Performing Arts.

ELA: B.8.1, B.8.2, E.8.3, E.8.4

EE: D.8.3, D.8.5, D.8.6

SS: E.8.4, E.8.8

## Reduce, Reuse, Recycle

Students will ① learn about ways to reduce solid waste in their community by reducing consumption, reusing products, recycling materials, and composting and ② communicate to others the importance of recycling in their community; Projects 1 and 2: Grades 4 – 8, Project 3: Grades 6 – 8; Science, Math, Social Studies, Language Arts.

ELA: B.4.1, B.4.2, E.8.3

EE: B.4.11, B.8.20, D.4.3, D.4.6, D.8.5, D.8.6

M: A. 8.3, B.8.7

S: E.4.7

SS: D.4.7, D.8.11, E.8.4

## Sounds Around

Students will ① identify sounds and map their location in the environment, ② explain how noise can be a problem in the community, ③ create and carry out a plan to lessen a local noise problem, and ④ study a Greek myth about sounds in nature; Part A: Grades 1 - 6, Part B: Grades 6 - 8, Part C: Grades PreK - K; Science, Language Arts, Social Studies, Math.

ELA: C.4.2

EE: A.8.1, A.8.2, A.8.4, A.8.5, B.8.18, B.8.21, B.8.23, C.8.2, D.8.6

M: D.8.3, E.8.1, E.8.2, E.8.4

S: C.8.4, C.8.6, D.8.8, F.8.2

SS: C.8.7, C.8.8, E.4.11, E.8.4

## Tale of the Sun

Students will ① describe how stories reveal the beliefs of the people who tell them and ② read or listen to an American Indian story to gain insight on the vital importance of the sun; Grades K – 6; Language Arts, Science, Social Studies.

ELA: A.4.3, A.8.3, C.4.2, C.8.2

EE: B.8.9, B.8.12

SS: E.4.11, E.8.10

## **There Ought to Be a Law**

Students will ① describe how a group of students can make and change rules, ② compare rulemaking in a group to the lawmaking process in local government, ③ research the steps necessary to make a proposed change in their community, and ④ create a poster that shows the effects of their proposed change and that depicts the lawmaking process; Part A: Grades 3 – 8, Part B: Grades 6 – 8; Math, Social Studies, Language Arts, Visual Arts.

ELA: F.8.1

EE: D.8.4, D.8.8

SS: C.4.3, C.8.3, C.8.7, C.8.8

## **Tree Lifecycle**

Students will ① diagram the lifecycle of a tree, ② compare a tree lifecycle to a human lifecycle, and ③ explain the role each stage of a tree's life plays in the forest (or other) ecosystem; Grades 3 – 6; Science, Language Arts, Visual Arts, Performing Arts.

ELA: F.4.1

S: F.4.3, F.4.4

## **Trees for Many Reasons**

Students will discuss and analyze a fictional story relating to the proper and improper use of natural resources; Part A: Grades 2 – 8, Part B: Grades 6 – 8; Science, Social Studies, Language Arts.

ELA: A.8.3, C.4.2, C.8.2, C.8.3

EE: B.8.5, B.8.8, B.8.10, D.8.5, D.8.7, E.8.2

S: F.4.4, F.8.9, F.8.10

SS: A.4.4, D.4.7, D.8.11

## **Trees in Trouble**

Students will ① cite factors that can cause trees to become unhealthy, ② describe symptoms of unhealthy trees, ③ compare environmental conditions that affect both human health and plant health, and ④ identify people or agencies that care for trees and forests; Part A: Grades 1 – 8, Part B: Grades 4 – 8; Science, Math, Social Studies, Language Arts, Performing Arts.

ELA: A.4.4, A.8.4

EE: A.4.2, B.4.4, B.8.5, B.8.21, B.8.23, C.4.3, C.4.4

S: C.4.2, C.4.4, C.4.5, C.8.2, C.8.3, C.8.4, F.4.1, F.4.2, F.8.2

## **Tropical Treehouse**

Students will ① describe the plants and animals that live in different levels of the tropical rainforest, ② examine and discuss a case study that involves the rights of native inhabitants of a tropical rainforest in a national park, and ③ describe the sounds they might encounter when visiting a rainforest; Part A: Grades 3 – 6, Part B: Grades 6 – 8; Science, Social Studies, Language Arts, Performing Arts, Visual Arts.

ELA: A.8.4, C.8.3, F.4.1, F.8.1

EE: B.4.4, B.4.6, B.8.5, B.8.8, B.8.9, B.8.10, B.8.12, B.8.15, B.8.17

S: F.4.1, F.4.4, F.8.9, F.8.10

SS: A.8.8, B.8.10, C.8.3, E.8.3, E.8.10

## **Values on the Line**

Students will ① examine statements regarding environmental issues and determine the degree to which they agree with them, ② share their views and opinions with others and gain awareness on the range of values related to environmental issues, and ③ identify the need for balanced information when forming opinions; Grades 6 – 8; Social Studies, Science.

ELA: C.8.1, C.8.2, C.8.3

EE: C.8.1, D.8.7

SS: E.4.7, E.8.2, E.8.6, E.8.7

## Watch on Wetlands

Students will ① study a wetland ecosystem and ② analyze the issues and opinions relating to the management and protection of wetlands; Grades 7 – 8; Science, Social Studies, Language Arts, Performing Arts.

ELA: A.8.4, C.8.1, C.8.3, F.8.1

EE: A.8.1, A.8.2, A.8.4, B.8.5, B.8.6, B.8.23

S: C.8.1, C.8.2, C.8.3, C.8.4, C.8.5, C.8.6, C.8.7, F.8.8

SS: C.8.7, E.8.4

## Water Wonders

Students will ① simulate the paths that water takes in the water cycle, ② describe the importance of the water cycle to living things, ③ conduct an experiment to discover how plants affect the movement of water in a watershed, and ④ describe how plants are important in maintaining water quality; Grades 4 – 8; Science, Language Arts, Physical Education.

ELA: B.4.1

EE: B.4.7, B.8.17

S: E.4.6, E.8.1, E.8.4, F.4.4, F.8.8

## We All Need Trees

Students will ① examine various products and determine which ones are made from trees, ② describe ways that trees are used to make products and ways that these products can be conserved, and ③ explore methods for recycling and reusing products; Grades 4 – 6; Social Studies, Science, Language Arts.

ELA: A.4.4, A.8.4

EE: B.4.10, E.4.1

S: E.4.8

## We Can Work It Out

Students will ① develop solutions to a land-use problem involving urban open space and ② simulate a city council meeting to discuss and decide on a land-use issue; Grades 5 – 8; Social Studies, Language Arts, Visual Arts.

ELA: C.8.1

EE: D.8.1, D.8.2, D.8.7, D.8.8

SS: C.8.3, C.8.7

## Web of Life

Students will ① collect information about various organisms in an ecosystem, ② create a mural that depicts the interdependence of various organisms with other components in an ecosystem, and ③ create a simulated web of life using a ball of string; Grades 4 – 8; Science, Language Arts, Visual Arts.

ELA: F.4.1, F.8.1

EE: B.4.4, B.8.8

S: F.4.1, F.4.2, F.4.4, F.8.9